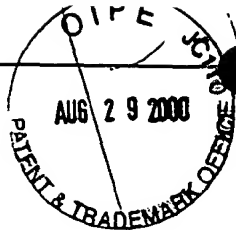


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SEQUENCE LISTING

<110> Hilton, Douglas J.  
Alexander, Warren S.  
Viney, Elizabeth M.  
Wilson, Tracy A.  
Richardson, Rachel  
Starr, Robyn  
Nicholson, Sandra E.  
Metcalf, Donald  
Nicola, Nicos A.

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<141> 1997-10-31

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CS  
Conf

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<211> 212  
<212> PRT  
<213> Rattus norvegicus

<400> 12

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Ser	Pro	Ala	Ala	Pro	Ala	Arg	Pro	Arg	Pro	Cys	Pro	Val	Val	Pro	Ala	35	40	45	
Pro	Ala	Pro	Gly	Asp	Thr	His	Phe	Arg	Thr	Phe	Arg	Ser	His	Ser	Asp	50	55	60	
Tyr	Arg	Arg	Ile	Thr	Arg	Thr	Ser	Ala	Leu	Leu	Asp	Ala	Cys	Gly	Phe	65	70	75	80
Tyr	Trp	Gly	Pro	Leu	Ser	Val	His	Gly	Ala	His	Glu	Arg	Leu	Arg	Ser	85	90	95	
Glu	Pro	Val	Gly	Thr	Phe	Leu	Val	Arg	Asp	Ser	Arg	Gln	Arg	Asn	Cys	100	105	110	
Phe	Phe	Ala	Leu	Ser	Val	Lys	Met	Ala	Ser	Gly	Pro	Thr	Ser	Ile	Arg	115	120	125	
Val	His	Phe	Gln	Ala	Gly	Arg	Phe	His	Leu	Asp	Gly	Asn	Arg	Glu	Thr	130	135	140	
Phe	Asp	Cys	Leu	Phe	Glu	Leu	Leu	Glu	His	Tyr	Val	Ala	Ala	Pro	Arg	145	150	155	160
Arg	Met	Leu	Gly	Ala	Pro	Leu	Arg	Gln	Arg	Arg	Val	Arg	Pro	Leu	Gln	165	170	175	
Glu	Leu	Cys	Arg	Gln	Arg	Ile	Val	Ala	Ala	Val	Gly	Arg	Glu	Asn	Leu	180	185	190	
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Pro Phe Gln Ile  
210

<210> 13  
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<213> Mus musculus

<220>  
<221> CDS  
<222> (263)..(1525)

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gccgcagcgg ccgcccgcgc tctctctgca gtctccacac ccgggagagc ctgagccgcg 180  
gtcacgcccc tcagcccccg ctgagtcctt tctctgttgt cgcgtccgaa tcgagttccc 240  
ggaatcagac ggtgccccat ag atg gcc agc ttt ccc ccg agg gtt aac gag 292  
Met Ala Ser Phe Pro Pro Arg Val Asn Glu  
1 5 10  
aaa gag atc gtg aga tca cgt act ata ggg gaa ctc ttg gct cca gca 340  
Lys Glu Ile Val Arg Ser Arg Thr Ile Gly Glu Leu Leu Ala Pro Ala  
15 20 25  
gct cct ttt gac aag aaa tgt ggt ggt gag aac tgg acg gtt gct ttt 388  
Ala Pro Phe Asp Lys Lys Cys Gly Gly Glu Asn Trp Thr Val Ala Phe  
30 35 40  
gct cct gat ggt tcc tac ttt gcg tgg tca caa gga tat cgc ata gtg 436  
Ala Pro Asp Gly Ser Tyr Phe Ala Trp Ser Gln Gly Tyr Arg Ile Val  
45 50 55  
aag ctt gtc ccg tgg tcc cag tgc cgt aag aac ttt ctt ttg cat ggt 484  
Lys Leu Val Pro Trp Ser Gln Cys Arg Lys Asn Phe Leu Leu His Gly  
60 65 70  
tcc aaa aat gtt acc aat tca agc tgt cta aaa ttg gca aga caa aac 532  
Ser Lys Asn Val Thr Asn Ser Ser Cys Leu Lys Leu Ala Arg Gln Asn  
75 80 85 90  
agt aat ggt ggt cag aaa aac aag cct cct gag cac gtt ata gac tgt 580  
Ser Asn Gly Gly Gln Lys Asn Lys Pro Pro Glu His Val Ile Asp Cys  
95 100 105  
gga gac ata gtc tgg agt ctt gct ttt ggg tct tca gtt cca gaa aaa 628  
Gly Asp Ile Val Trp Ser Leu Ala Phe Gly Ser Ser Val Pro Glu Lys  
110 115 120  
cag agt cgt tgc gtt aat ata gaa tgg cat cgg ttc cga ttt gga cag 676

Gln	Ser	Arg	Cys	Val	Asn	Ile	Glu	Trp	His	Arg	Phe	Arg	Phe	Gly	Gln		
		125					130					135					
gat	cag	cta	ctc	ctt	gcc	aca	gga	tta	aac	aat	ggt	cgc	atc	aaa	atc	724	
Asp	Gln	Leu	Leu	Leu	Ala	Thr	Gly	Leu	Asn	Asn	Gly	Arg	Ile	Lys	Ile		
	140					145					150						
tgg	gat	gta	tat	aca	gga	aaa	ctc	ctc	ctt	aat	tgg	gta	gac	cac	att	772	
Trp	Asp	Val	Tyr	Thr	Gly	Lys	Leu	Leu	Leu	Asn	Leu	Val	Asp	His	Ile		
155					160					165					170		
gaa	atg	gtt	aga	gat	tta	act	ttt	gct	cca	gat	ggg	agc	tta	ctc	ctt	820	
Glu	Met	Val	Arg	Asp	Leu	Thr	Phe	Ala	Pro	Asp	Gly	Ser	Leu	Leu	Leu		
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gta	tca	gct	tca	aga	gac	aaa	act	cta	aga	gtg	tgg	gac	ctg	aaa	gat	868	
Val	Ser	Ala	Ser	Arg	Asp	Lys	Thr	Leu	Arg	Val	Trp	Asp	Leu	Lys	Asp		
			190					195					200				
gat	gga	aac	atg	gtg	aaa	gta	ttg	cgg	gca	cat	cag	aat	tgg	gtg	tac	916	
Asp	Gly	Asn	Met	Val	Lys	Val	Leu	Arg	Ala	His	Gln	Asn	Trp	Val	Tyr		
	205					210					215						
agt	tgt	gca	ttc	tct	ccc	gac	tgt	tct	atg	ctg	tgt	tca	gtg	ggc	gcc	964	
Ser	Cys	Ala	Phe	Ser	Pro	Asp	Cys	Ser	Met	Leu	Cys	Ser	Val	Gly	Ala		
	220					225					230						
agt	aaa	gca	gtt	ttc	ctt	tgg	aat	atg	gat	aaa	tac	acc	atg	att	agg	1012	
Ser	Lys	Ala	Val	Phe	Leu	Trp	Asn	Met	Asp	Lys	Tyr	Thr	Met	Ile	Arg		
235					240					245					250		
aag	ctg	gaa	ggt	cat	cac	cat	gat	gtt	gta	gct	tgt	gac	ttt	tct	cct	1060	
Lys	Leu	Glu	Gly	His	His	His	Asp	Val	Val	Ala	Cys	Asp	Phe	Ser	Pro		
				255					260					265			
gat	gga	gca	ttg	cta	gct	act	gca	tcc	tat	gac	act	cgt	gtg	tat	gtc	1108	
Asp	Gly	Ala	Leu	Leu	Ala	Thr	Ala	Ser	Tyr	Asp	Thr	Arg	Val	Tyr	Val		
			270					275					280				
tgg	gat	cca	cac	aat	gga	gac	ctt	ctg	atg	gag	ttt	ggg	cac	ctg	ttt	1156	
Trp	Asp	Pro	His	Asn	Gly	Asp	Leu	Leu	Met	Glu	Phe	Gly	His	Leu	Phe		
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ccc	tcg	ccc	act	cca	ata	ttt	gct	gga	gga	gca	aat	gac	cga	tgg	gtg	1204	
Pro	Ser	Pro	Thr	Pro	Ile	Phe	Ala	Gly	Gly	Ala	Asn	Asp	Arg	Trp	Val		
	300					305					310						
aga	gct	gtg	tct	ttc	agt	cat	gat	gga	ctg	cat	gtt	gcc	agc	ctt	gct	1252	
Arg	Ala	Val	Ser	Phe	Ser	His	Asp	Gly	Leu	His	Val	Ala	Ser	Leu	Ala		
315					320					325					330		
gat	gat	aaa	atg	gtg	agg	ttc	tgg	aga	atc	gat	gag	gat	tgt	ccg	gta	1300	
Asp	Asp	Lys	Met	Val	Arg	Phe	Trp	Arg	Ile	Asp	Glu	Asp	Cys	Pro	Val		
				335					340					345			
caa	gtt	gca	cct	ttg	agc	aat	ggt	ctt	tgc	tgt	gcc	ttt	tct	act	gat	1348	

CS  
cont.

Gln	Val	Ala	Pro	Leu	Ser	Asn	Gly	Leu	Cys	Cys	Ala	Phe	Ser	Thr	Asp		
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ggc	agt	gtt	tta	gct	gct	ggg	aca	cat	gat	gga	agt	gtg	tat	ttt	tgg	1396	
Gly	Ser	Val	Leu	Ala	Ala	Gly	Thr	His	Asp	Gly	Ser	Val	Tyr	Phe	Trp		
		365				370						375					
gcc	act	cca	agg	caa	gtc	cct	agc	ctt	caa	cat	ata	tgt	cgc	atg	tca	1444	
Ala	Thr	Pro	Arg	Gln	Val	Pro	Ser	Leu	Gln	His	Ile	Cys	Arg	Met	Ser		
		380				385					390						
atc	cga	aga	gtg	atg	tcc	acc	caa	gaa	gtc	caa	aaa	ctg	cct	gtt	cct	1492	
Ile	Arg	Arg	Val	Met	Ser	Thr	Gln	Glu	Val	Gln	Lys	Leu	Pro	Val	Pro		
395					400					405					410		
tcc	aaa	ata	ttg	gcg	ttt	ctc	tcc	tac	cgc	ggg	tag	a	ctgaagactg			1539	
Ser	Lys	Ile	Leu	Ala	Phe	Leu	Ser	Tyr	Arg	Gly							
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<210> 14  
 <211> 421  
 <212> PRT  
 <213> Mus musculus

<400> 14																
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			20				25						30			
Cys	Gly	Gly	Glu	Asn	Trp	Thr	Val	Ala	Phe	Ala	Pro	Asp	Gly	Ser	Tyr	
		35					40					45				
Phe	Ala	Trp	Ser	Gln	Gly	Tyr	Arg	Ile	Val	Lys	Leu	Val	Pro	Trp	Ser	
	50					55					60					
Gln	Cys	Arg	Lys	Asn	Phe	Leu	Leu	His	Gly	Ser	Lys	Asn	Val	Thr	Asn	
65					70					75					80	
Ser	Ser	Cys	Leu	Lys	Leu	Ala	Arg	Gln	Asn	Ser	Asn	Gly	Gly	Gln	Lys	
				85					90					95		
Asn	Lys	Pro	Pro	Glu	His	Val	Ile	Asp	Cys	Gly	Asp	Ile	Val	Trp	Ser	
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Leu	Ala	Phe	Gly	Ser	Ser	Val	Pro	Glu	Lys	Gln	Ser	Arg	Cys	Val	Asn	
		115					120					125				
Ile	Glu	Trp	His	Arg	Phe	Arg	Phe	Gly	Gln	Asp	Gln	Leu	Leu	Leu	Ala	
	130					135					140					



Thr Gly Leu Asn Asn Gly Arg Ile Lys Ile Trp Asp Val Tyr Thr Gly  
 145 150 155 160  
 Lys Leu Leu Leu Asn Leu Val Asp His Ile Glu Met Val Arg Asp Leu  
 165 170 175  
 Thr Phe Ala Pro Asp Gly Ser Leu Leu Leu Val Ser Ala Ser Arg Asp  
 180 185 190  
 Lys Thr Leu Arg Val Trp Asp Leu Lys Asp Asp Gly Asn Met Val Lys  
 195 200 205  
 Val Leu Arg Ala His Gln Asn Trp Val Tyr Ser Cys Ala Phe Ser Pro  
 210 215 220  
 Asp Cys Ser Met Leu Cys Ser Val Gly Ala Ser Lys Ala Val Phe Leu  
 225 230 235 240  
 Trp Asn Met Asp Lys Tyr Thr Met Ile Arg Lys Leu Glu Gly His His  
 245 250 255  
 His Asp Val Val Ala Cys Asp Phe Ser Pro Asp Gly Ala Leu Leu Ala  
 260 265 270  
 Thr Ala Ser Tyr Asp Thr Arg Val Tyr Val Trp Asp Pro His Asn Gly  
 275 280 285  
 Asp Leu Leu Met Glu Phe Gly His Leu Phe Pro Ser Pro Thr Pro Ile  
 290 295 300  
 Phe Ala Gly Gly Ala Asn Asp Arg Trp Val Arg Ala Val Ser Phe Ser  
 305 310 315 320  
 His Asp Gly Leu His Val Ala Ser Leu Ala Asp Asp Lys Met Val Arg  
 325 330 335  
 Phe Trp Arg Ile Asp Glu Asp Cys Pro Val Gln Val Ala Pro Leu Ser  
 340 345 350  
 Asn Gly Leu Cys Cys Ala Phe Ser Thr Asp Gly Ser Val Leu Ala Ala  
 355 360 365  
 Gly Thr His Asp Gly Ser Val Tyr Phe Trp Ala Thr Pro Arg Gln Val  
 370 375 380  
 Pro Ser Leu Gln His Ile Cys Arg Met Ser Ile Arg Arg Val Met Ser  
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<212> DNA  
<213> Homo sapiens

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ccccgcccgt ctctctctgt cctgggcccc ggagacaaac ttggcgtcac gccctcagcg 180  
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<212> DNA  
<213> Homo sapiens

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gcaggtcctt agcctgcaac atttatgtcg catgtcaatc cgaagagtga tgcccaccca 540  
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agttctgaca tgtatatatt gcttcagtag agccacaata tgtatctttg ctgtaaagtg 960  
caaggaaatt ttaaattctg ggacactgag ttagatggta aatactgact tacgaaagt 1020  
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<212> DNA  
<213> Mus musculus

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<222> (320)  
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<220>  
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<220>  
<221> CDS  
<222> (423)..(2030)

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gccctcgggc cgggatggat ccgccgggaa gaggaagaca agccggggcg ttgagccct 360  
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ca atg gat aaa gtg ggg aaa atg tgg aac aac tta aaa tac aga tgc	467
Met Asp Lys Val Gly Lys Met Trp Asn Asn Leu Lys Tyr Arg Cys	
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Gln Asn Leu Phe Ser His Glu Gly Gly Ser Arg Asn Glu Asn Val Glu	
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atg aac ccc aac aga tgt ccg tct gtc aaa gag aaa agc atc agt ctg	563
Met Asn Pro Asn Arg Cys Pro Ser Val Lys Glu Lys Ser Ile Ser Leu	
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gga gag gca gct ccc cag caa gag agc agt ccc tta aga gaa aat gtt	611
Gly Glu Ala Ala Pro Gln Gln Glu Ser Ser Pro Leu Arg Glu Asn Val	
50 55 60	
gcc tta cag ctg gga ctg agc cct tcc aag acc ttt tcc agg cgg aac	659
Ala Leu Gln Leu Gly Leu Ser Pro Ser Lys Thr Phe Ser Arg Arg Asn	
65 70 75	
caa aac tgt gcc gca gag atc cct caa gtg gtt gaa atc agc atc gag	707
Gln Asn Cys Ala Ala Glu Ile Pro Gln Val Val Glu Ile Ser Ile Glu	
80 85 90 95	
aaa gac agt gac tcg ggt gcc acc cca gga acg agg ctt gca cgg aga	755
Lys Asp Ser Asp Ser Gly Ala Thr Pro Gly Thr Arg Leu Ala Arg Arg	
100 105 110	
gac tcc tac tcg cgg cac gcc ccg tgg gga gga aag aag aaa cat tcc	803
Asp Ser Tyr Ser Arg His Ala Pro Trp Gly Gly Lys Lys Lys His Ser	
115 120 125	
tgt tcc aca aag acc cag agt tca ttg gat acc gag aaa aag ttt ggt	851
Cys Ser Thr Lys Thr Gln Ser Ser Leu Asp Thr Glu Lys Lys Phe Gly	
130 135 140	
aga act cga agc ggc ctt cag agg cga gag cgg cgc tat gga gtc agc	899
Arg Thr Arg Ser Gly Leu Gln Arg Arg Glu Arg Arg Tyr Gly Val Ser	
145 150 155	
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Ser Met Gln Asp Met Asp Ser Val Ser Ser Arg Ala Val Gly Ser Arg	
160 165 170 175	
tcc ctg agg cag agg ctc cag gac acg gtg ggt ttg tgt ttt ccc atg	995
Ser Leu Arg Gln Arg Leu Gln Asp Thr Val Gly Leu Cys Phe Pro Met	
180 185 190	
aga act tac agc aag cag tca aag cca ctc ttt tcc aat aaa aga aaa	1043
Arg Thr Tyr Ser Lys Gln Ser Lys Pro Leu Phe Ser Asn Lys Arg Lys	
195 200 205	
ata cat ctt tct gaa tta atg ctg gag aaa tgc cct ttt cct gct ggc	1091
Ile His Leu Ser Glu Leu Met Leu Glu Lys Cys Pro Phe Pro Ala Gly	
210 215 220	

tcg gat tta gca caa aag tgg cat ttg att aaa cag cat acc gcc cct	1139
Ser Asp Leu Ala Gln Lys Trp His Leu Ile Lys Gln His Thr Ala Pro	
225 230 235	
gtg agc cca cac tca aca ttt ttt gat aca ttt gat cca tca ctg gtg	1187
Val Ser Pro His Ser Thr Phe Phe Asp Thr Phe Asp Pro Ser Leu Val	
240 245 250 255	
tct aca gaa gat gaa gaa gat agg ctt cgc gag aga aga cgg ctt agt	1235
Ser Thr Glu Asp Glu Glu Asp Arg Leu Arg Glu Arg Arg Arg Leu Ser	
260 265 270	
atc gaa gaa ggg gtg gat ccc cct ccc aac gca caa ata cac acc ttt	1283
Ile Glu Glu Gly Val Asp Pro Pro Pro Asn Ala Gln Ile His Thr Phe	
275 280 285	
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Glu Ala Thr Ala Gln Val Asn Pro Leu Tyr Lys Leu Gly Pro Lys Leu	
290 295 300	
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Ala Pro Gly Met Thr Glu Ile Ser Gly Asp Gly Ser Ala Ile Pro Gln	
305 310 315	
gcs aat tgt gac tca gaa gag gat tca acc acc cta tgt ctg cag tca	1427
Xaa Asn Cys Asp Ser Glu Glu Asp Ser Thr Thr Leu Cys Leu Gln Ser	
320 325 330 335	
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Arg Arg Gln Lys Gln Arg Gln Val Ser Gly Asp Ser His Ala His Val	
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Ser Arg Gln Gly Ala Trp Lys Val His Thr Gln Ile Asp Tyr Ile His	
355 360 365	
tgc ctc gtg cca gat ttg ctt cag atc aca ggg aat ccc tgt tac tgg	1571
Cys Leu Val Pro Asp Leu Leu Gln Ile Thr Gly Asn Pro Cys Tyr Trp	
370 375 380	
ggc gtg atg gac cga tac gag gcc gaa gcc ctt cta gaa ggg aaa ccg	1619
Gly Val Met Asp Arg Tyr Glu Ala Glu Ala Leu Leu Glu Gly Lys Pro	
385 390 395	
gaa ggc acg ttc ttg ctc agg gac tct gca cag gag gac tac ctc ttc	1667
Glu Gly Thr Phe Leu Leu Arg Asp Ser Ala Gln Glu Asp Tyr Leu Phe	
400 405 410 415	
tct gtg agc ttc cgc cgc tac aac agg tct ctg cac gcc cgg atc gag	1715
Ser Val Ser Phe Arg Arg Tyr Asn Arg Ser Leu His Ala Arg Ile Glu	
420 425 430	
cag tgg aac cac aac ttc agc ttc gat gcc cat gac ccc tgc gtg ttt	1763
Gln Trp Asn His Asn Phe Ser Phe Asp Ala His Asp Pro Cys Val Phe	
435 440 445	

cac tcc tcc acw gtc acg ggg ctt ctc gaa cac tat aaa gac ccc agc	1811
His Ser Ser Xaa Val Thr Gly Leu Leu Glu His Tyr Lys Asp Pro Ser	
450 455 460	
tct tgc atg ttt ttt gaa ccg ttg cta acg ata tca ctg aat aga act	1859
Ser Cys Met Phe Phe Glu Pro Leu Leu Thr Ile Ser Leu Asn Arg Thr	
465 470 475	
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Asp Phe Leu Lys Glu Tyr His Tyr Lys Gln Lys Val Arg Val Arg Trp	
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Asn Cys Ala Ala Glu Ile Pro Gln Val Val Glu Ile Ser Ile Glu Lys  
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Arg	Thr	Phe														
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385

390

395

400

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&lt;211&gt; 1246

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tcaactgccag tcctcacaag agaagatgac acgggtgctc tcttcagaca ctcccataca 1860  
ggaagttgga aaatgtcttg gtcacctggg ttgttcccag gctacaactt cttggtgttc 1920  
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<210> 25



<211> 350  
 <212> PRT  
 <213> Mus musculus

<220>  
 <221> UNSURE  
 <222> (167)  
 <223> Xaa is unsure

<400> 25  
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 Pro Asn Leu Lys Glu Trp Leu Arg Glu Gln Phe Cys Asp His Pro Leu  
 35 40 45  
 Glu His Cys Asp Asp Thr Arg Leu His Asp Ala Ala Tyr Val Gly Asp  
 50 55 60  
 Leu Gln Thr Leu Arg Asn Leu Leu Gln Glu Glu Ser Tyr Arg Ser Arg  
 65 70 75 80  
 Ile Asn Glu Lys Ser Val Trp Cys Cys Gly Trp Leu Pro Cys Thr Pro  
 85 90 95  
 Leu Arg Ile Ala Ala Thr Ala Gly His Gly Asn Cys Val Asp Phe Leu  
 100 105 110  
 Ile Arg Lys Gly Ala Glu Val Asp Leu Val Asp Val Lys Gly Gln Thr  
 115 120 125  
 Ala Leu Tyr Val Ala Val Val Asn Gly His Leu Glu Ser Thr Glu Ile  
 130 135 140  
 Leu Leu Glu Ala Gly Ala Asp Pro Asn Gly Ser Arg His His Arg Ser  
 145 150 155 160  
 Thr Pro Val Tyr His Ala Xaa Arg Val Gly Arg Asp Asp Ile Leu Lys  
 165 170 175  
 Ala Leu Ile Arg Tyr Gly Ala Asp Val Asp Val Asn His His Leu Asn  
 180 185 190  
 Ser Asp Thr Arg Pro Pro Phe Ser Arg Arg Leu Thr Ser Leu Val Val  
 195 200 205  
 Cys Pro Leu Tyr Ile Ser Ala Ala Tyr His Asn Leu Gln Cys Phe Arg  
 210 215 220  
 Leu Leu Leu Gln Ala Gly Ala Asn Pro Asp Phe Asn Cys Asn Gly Pro  
 225 230 235 240  
 Val Asn Thr Gln Glu Phe Tyr Arg Gly Ser Pro Gly Cys Val Met Asp

245	250	255
Ala Val Leu Arg His Gly Cys Glu	Ala Ala Phe Val Ser Leu Leu Val	
260	265	270
Glu Phe Gly Ala Asn Leu Asn Leu Val Lys Trp Glu Ser Leu Gly Pro		
275	280	285
Glu Ala Arg Gly Arg Arg Lys Met Asp Pro Glu Ala Leu Gln Val Phe		
290	295	300
Lys Glu Ala Arg Ser Ile Pro Arg Thr Leu Leu Ser Leu Cys Arg Val		
305	310	315
Ala Val Arg Arg Ala Leu Gly Lys Tyr Arg Leu His Leu Val Pro Ser		
325	330	335
Leu Pro Leu Pro Asp Pro Ile Lys Lys Phe Leu Leu Tyr Glu		
340	345	350

<210> 26  
 <211> 419  
 <212> DNA  
 <213> Homo sapiens

<400> 26  
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 cgaggctcca tgatgcagct tacgtcgggg acctccagac cctcaggagc ctattgcaag 180  
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 gcacaccggt gcgaatcgcg gccactgcag gccatgggag ctgtgtggac ttcctcatcc 300  
 ggaagggggc cgagggtgat ctggtggacg taaaaggaca gacggccctg tatgtggctg 360  
 tgggtgaacgg gcacctagag agtaccaga tccttctcga agctggcgcg gaccccaac 419

<210> 27  
 <211> 595  
 <212> DNA  
 <213> Homo sapiens

<400> 27  
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 tcattctgatt ccttcgctgc ctctgccaga ccccataaag aagtttctac tccatgagta 180  
 gactccaagt gctgcggttg attccagtga gggagaaagt gatctgcagg gaggtggaca 240  
 ccgagccctg agtgctgtgc tgctgtggt ctctgatgg ctgttgctgc agaagatgtc 300

ctcgtagact gtcattgctc ctcaggtgcc tgggccgctg aacagtcctt gggtcattgt 360  
cagctgagag gcttatacta aagttattat tgtttttccc aagttctctg ttctggattt 420  
tcagttgcat attaatgtaa cgggccatgg ggtatgtaca ttagggggct gaggttggag 480  
gcctactaat ttcctgtagg gaagactccc agcacttctg gaactgtgct tctctttatt 540  
tttctacttc tcaatttgat ggttcgatta aagccttcta gtatctcaat gaaaa 595

<210> 28  
<211> 896  
<212> DNA  
<213> Mus musculus

<220>  
<221> CDS  
<222> (4)..(396)

<220>  
<221> UNSURE  
<222> (551)  
<223> n is unsure

<220>  
<221> UNSURE  
<222> (651)  
<223> n is unsure

<400> 28  
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aca tcc gct gtc aat ccc caa agg atg ctg agg cca cca cca acc gct 96  
Thr Ser Ala Val Asn Pro Gln Arg Met Leu Arg Pro Pro Pro Thr Ala  
20 25 30  
gtt ttc aac tgt gcc gct tgc tgc tgt ctg tgg ggg cag atg ctg atg 144  
Val Phe Asn Cys Ala Ala Cys Cys Cys Leu Trp Gly Gln Met Leu Met  
35 40 45  
aat aca tac cgt gta gtt cag ctt cct gag gag gcc aag ggc ttg gtg 192  
Asn Thr Tyr Arg Val Val Gln Leu Pro Glu Glu Ala Lys Gly Leu Val  
50 55 60  
cca cca gag att cta cag aag tac cat gga ttc tac tct tcc ctc ttt 240  
Pro Pro Glu Ile Leu Gln Lys Tyr His Gly Phe Tyr Ser Ser Leu Phe  
65 70 75  
gcc ttg gtg agg cag ccc agg tcg ctg cag cat ctc tgc cgt tgt gcg 288  
Ala Leu Val Arg Gln Pro Arg Ser Leu Gln His Leu Cys Arg Cys Ala  
80 85 90 95  
ctc cgc agt cac ctg gag ggc tgt ctg ccc cat gca cta ccg cgc ctt 336

Leu Arg Ser His Leu Glu Gly Cys Leu Pro His Ala Leu Pro Arg Leu  
 100 105 110  
 ccc ctg cca ccg cgc atg ctc cgc ttt ctg cag ctg gac ttt gag gat 384  
 Pro Leu Pro Pro Arg Met Leu Arg Phe Leu Gln Leu Asp Phe Glu Asp  
 115 120 125  
 ctg ctc tac taggcttgct gccctgtgaa caaagcagac cccacccccca 433  
 Leu Leu Tyr  
 130  
 ccccaagggc atctctcagc aatgaatgat gcaaggcggc ctgtcttcaa gtcaggagtg 493  
 gacgccttga tccacacttg agagaagagg ccagatcagc accyggctgg tagtgatngc 553  
 agagggcacc tgtgcagatc tgtgtgcgca ctggaaatct ctaggctgaa ggcyagagca 613  
 aatggtgcar gtgttagtcc ttgggangag agacagangg tgagaaagca agacagaggt 673  
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 tagcaatacc ggggtgctttt ctgccgcaaa gtgagttacc aaa 896

<210> 29  
 <211> 130  
 <212> PRT  
 <213> Mus musculus

<400> 29  
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 35 40 45  
 Thr Tyr Arg Val Val Gln Leu Pro Glu Glu Ala Lys Gly Leu Val Pro  
 50 55 60  
 Pro Glu Ile Leu Gln Lys Tyr His Gly Phe Tyr Ser Ser Leu Phe Ala  
 65 70 75 80  
 Leu Val Arg Gln Pro Arg Ser Leu Gln His Leu Cys Arg Cys Ala Leu  
 85 90 95  
 Arg Ser His Leu Glu Gly Cys Leu Pro His Ala Leu Pro Arg Leu Pro  
 100 105 110  
 Leu Pro Pro Arg Met Leu Arg Phe Leu Gln Leu Asp Phe Glu Asp Leu

115

120

125

Leu Tyr  
130

<210> 30  
<211> 436  
<212> DNA  
<213> Mus musculus

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gtgttcctcc aggtggaggc tcaggtcccc gggtagctg gggctgcagc gggactcagg 360  
gcgcggctct ggctgcaggt ctgcagctc cctgggctgt agtccccga gatccttgcg 420  
cacaccgttg actggt 436

<210> 31  
<211> 2180  
<212> DNA  
<213> Homo sapiens

<400> 31  
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tgaaaattag ttgacaatca agttcaccca agaaaatgtt gactaagcta aagaaatcac 180  
agataaaaca ttttaccaaa aggataggta acacacaaaa aaatgctatc acaggaagct 240  
atgatcatct aatatttctt taataataat tctagttcca taggttttca tggtatgcca 300  
atttgtagcc gagtttaatt acagaaaagg caacaatttc taaattggtg gtatacattt 360  
ctttacaatt tttaaatgta aggccattta ttaaaataga caaactagaa gatgaaaacg 420  
aaggcaacag aaaaattcaa cttttcacia ccaaaagaat tagcacaacc ttagaaataa 480  
ttagaaaaaa agtggtgtta aaagatatgt tgcagatctc cgttccatta cccaagatta 540  
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tgtatatgta aattccgtgg ttttatcaca caggtatgtt tattcaaacac tgctttggaa 660

atggaccatt taaaaggaca tggcaatttc cattctgtta agtttcattc aacctttact 720  
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 agcaaaaggg actgggcggg gggggcattg aggagaattt gataattcac attgtgatta 840  
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 agaaccaaaa taaacccaag acaccttgct gacacttccc caccctaaa caaactgatg 960  
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<210> 32  
 <211> 2649  
 <212> DNA

<213> Mus musculus

<400> 32

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ctgttccaag gggtcattgca gaagtatagc agcaacctgt tcaagacctc ccagatggcg 300  
gctatggacc ccgtgctgaa ggccatcaag gaaggggatg aagaggcctt gaagatcatg 360  
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gctgcctact atggccagct gggctgcctg aaagtcctgc agcaagccta cccagggacc 480  
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 ttcccaaaa 2649

<210> 33  
 <211> 495  
 <212> DNA  
 <213> Homo sapiens

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 caaggatgag atgaagaggc cttgaagacc atgatcaagg aagggaagaa tctcgagag 180  
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agcgcaagaa cgcggaagcc gtgaagattc ttggtgcagc acaacgcaga caccaacaac 480  
gctgcaaccg ggctg 495

<210> 34  
<211> 709  
<212> DNA  
<213> Homo sapiens

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tcagactctt cttactaagt ctcaggacgt cgggtgttccc aactccaagg ggacctgggtg 300  
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aaagactaag atgaagacgt ggcccaaggt agggggtagg gggagcctgg gtcttggagg 660  
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<210> 35  
<211> 848  
<212> DNA  
<213> Homo sapiens

<220>  
<221> CDS  
<222> (1)..(624)

<400> 35  
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gag atg aag ctg aaa ggg aaa cca gat ggt tct ttc ctg gta cga gac 96  
Glu Met Lys Leu Lys Gly Lys Pro Asp Gly Ser Phe Leu Val Arg Asp  
20 25 30  
agt tct gat cct cgt tac atc ctg agc ctc agt ttc cga tca cag ggt 144  
Ser Ser Asp Pro Arg Tyr Ile Leu Ser Leu Ser Phe Arg Ser Gln Gly

35					40					45						
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Ile	Thr	His	His	Thr	Arg	Met	Glu	His	Tyr	Arg	Gly	Thr	Phe	Ser	Leu	
	50					55					60					
tgg	tgt	cat	ccc	aag	ttt	gag	gac	cgc	tgt	caa	tct	gtt	gta	gag	ttt	240
Trp	Cys	His	Pro	Lys	Phe	Glu	Asp	Arg	Cys	Gln	Ser	Val	Val	Glu	Phe	
65					70					75					80	
att	aag	aga	gcc	att	atg	cac	tcc	aag	aat	gga	aag	ttt	ctc	tat	ttc	288
Ile	Lys	Arg	Ala	Ile	Met	His	Ser	Lys	Asn	Gly	Lys	Phe	Leu	Tyr	Phe	
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tta	aga	tcc	agg	gtt	cca	gga	ctg	cca	cca	act	cct	gtc	cag	ctg	ctc	336
Leu	Arg	Ser	Arg	Val	Pro	Gly	Leu	Pro	Pro	Thr	Pro	Val	Gln	Leu	Leu	
			100					105					110			
tat	cca	gtg	tcc	cga	ttc	agc	aat	gtc	aaa	tcc	ctc	cag	cac	ctt	tgc	384
Tyr	Pro	Val	Ser	Arg	Phe	Ser	Asn	Val	Lys	Ser	Leu	Gln	His	Leu	Cys	
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aga	ttc	cgg	ata	cga	cag	ctc	gtc	agg	ata	gat	cac	atc	cca	gat	ctc	432
Arg	Phe	Arg	Ile	Arg	Gln	Leu	Val	Arg	Ile	Asp	His	Ile	Pro	Asp	Leu	
	130					135					140					
cca	ctg	cct	aaa	cct	ctg	atc	tct	tat	atc	cga	aag	ttc	tac	tac	tat	480
Pro	Leu	Pro	Lys	Pro	Leu	Ile	Ser	Tyr	Ile	Arg	Lys	Phe	Tyr	Tyr	Tyr	
145					150					155					160	
gat	cct	cag	gaa	gag	gta	tac	ctg	tct	cta	aag	gaa	gcg	cag	cgt	cag	528
Asp	Pro	Gln	Glu	Glu	Val	Tyr	Leu	Ser	Leu	Lys	Glu	Ala	Gln	Arg	Gln	
			165					170					175			
ttt	cca	aac	aga	agc	aag	agg	tgg	aac	cct	cca	cgt	agc	gag	ggg	ctc	576
Phe	Pro	Asn	Arg	Ser	Lys	Arg	Trp	Asn	Pro	Pro	Arg	Ser	Glu	Gly	Leu	
		180						185					190			
cct	gct	ggt	cac	cac	caa	ggg	cat	ttg	gtt	gcc	aag	ctc	cag	ctt	tga	624
Pro	Ala	Gly	His	His	Gln	Gly	His	Leu	Val	Ala	Lys	Leu	Gln	Leu		
	195					200					205					
agaaccaaatt taagctacca tgaaaagaag aggaaaagtg agggaacagg aaggttgagg 684																
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<210> 36  
 <211> 207  
 <212> PRT  
 <213> Homo sapiens

<400> 36

Leu Glu Lys Cys Gly Trp Tyr Trp Gly Pro Met Asn Trp Glu Asp Ala  
1 5 10 15

Glu Met Lys Leu Lys Gly Lys Pro Asp Gly Ser Phe Leu Val Arg Asp  
20 25 30

Ser Ser Asp Pro Arg Tyr Ile Leu Ser Leu Ser Phe Arg Ser Gln Gly  
35 40 45

Ile Thr His His Thr Arg Met Glu His Tyr Arg Gly Thr Phe Ser Leu  
50 55 60

Trp Cys His Pro Lys Phe Glu Asp Arg Cys Gln Ser Val Val Glu Phe  
65 70 75 80

Ile Lys Arg Ala Ile Met His Ser Lys Asn Gly Lys Phe Leu Tyr Phe  
85 90 95

Leu Arg Ser Arg Val Pro Gly Leu Pro Pro Thr Pro Val Gln Leu Leu  
100 105 110

Tyr Pro Val Ser Arg Phe Ser Asn Val Lys Ser Leu Gln His Leu Cys  
115 120 125

Arg Phe Arg Ile Arg Gln Leu Val Arg Ile Asp His Ile Pro Asp Leu  
130 135 140

Pro Leu Pro Lys Pro Leu Ile Ser Tyr Ile Arg Lys Phe Tyr Tyr Tyr  
145 150 155 160

Asp Pro Gln Glu Glu Val Tyr Leu Ser Leu Lys Glu Ala Gln Arg Gln  
165 170 175

Phe Pro Asn Arg Ser Lys Arg Trp Asn Pro Pro Arg Ser Glu Gly Leu  
180 185 190

Pro Ala Gly His His Gln Gly His Leu Val Ala Lys Leu Gln Leu  
195 200 205

<210> 37

<211> 464

<212> DNA

<213> Mus musculus

<400> 37

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ctctatgaag aggttttaag aatgaatgag attctagaac cagcagctaa tcaggatgga 180  
gaaaccagca aggccacctg acacaggtcc tttaattctg tttagtcaca aaagacggct 240  
tgtgtgactg tttggatttg gtgatcaaat gtccatgttt acagttgctt ttcccagttt 300

gtgtctttcc caatattgtg aaccttatcc atcttgccctt actcagtttt atttctagtg 360  
 cactttgttg tgtattatctt gtttacctga ccattttcta ctttattctg ctaataaaact 420  
 gtaattctga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 464

<210> 38  
 <211> 747  
 <212> DNA  
 <213> Homo sapiens

<400> 38  
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 acgcgacac gtgctctaca gttggacttg ctgccaggga aggcaatggt aaagtcttaa 180  
 ggaaactgct caaaaagggc cgaagtgtcg atgttgctga taacagggga tggatgccaa 240  
 ttcataaagc agcttatcac aactctgtag aatgtttgca aatgttaatt aatgcagatt 300  
 catctgaaaa ctacattaag atgaagacct ttgaagggtt ctgtgctttg catctcgctg 360  
 caagtcaagg acattggaaa atcgtacaga ttcttttaga agctggggca gatcctaatt 420  
 caactacttt agaagaaacg acaccattgt ttttagctgt tgaaaatgga cagatagatg 480  
 tgttaaggct gttgcttcaa cacggagcaa atgttaatgg atccattct atgtgtggat 540  
 ggaactcctt gcaccaggct tcttttcagg aaaatgctga gatcataaaa ttgcttctta 600  
 gaaaaggagc aaacaaggaa tgccaggatg actttggaat cacaccttta tttgtggctg 660  
 ctcagtatgg ccaagctaga aagctttgaa gcatacttat ttcacccggg tgcaaattgc 720  
 aattgtcaag ccttggacaa agctacc 747

<210> 39  
 <211> 1018  
 <212> DNA  
 <213> Homo sapiens

<400> 39  
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 ggattgccta gaaatattac tccggaatgg tctacagccc agacgcccag gcgtgccttg 180  
 tttttggatt cagttctcct gtgtgcatgg ctttccaaaa ggaggtggag ctgtagttct 240  
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actgcctgaa gtacgagaag ttttcgatat ttcgctactt tttgaggaaa gggtgctcat 360  
 tgggaccatg gaaccatata tatgaatttg taaatcatgc aattaaagca caagcaaaat 420  
 ataaggagtg gttgccacat cttctggttg ctggatttga cccactgatt ctactgtgca 480  
 attcttggat tgactcagtc agcattgaca cccttatctt cactttggag tttactaatt 540  
 ggaagacact tgcaccagct gttgaaagga tgctctctgc tcgtgcctca aacgcttgga 600  
 ttctacagca acatattgcc cactgttcca tccctgacct atctttgtcg tttggaaatt 660  
 cgggtccagtc taaaatcaga acgtctacgg tctgacagtt atattagtca gctgccactt 720  
 cccagaagcc tacataatta tttgctctat gaagacgttc tgaggatgta tgaagttcca 780  
 gaactggcag ctattcaaga tggataaatc agtgaaacta cttaacacag ctaatttttt 840  
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 caaaagatga ttattgattg tcagataggt taggttttgg ggggccagta gttcagttag 960  
 aatgtttatg tttacaacta gccttcccag taaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1018

<210> 40  
 <211> 1897  
 <212> DNA  
 <213> Mus musculus

<400> 40  
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 tggccctgga catgratgat gggaccttaa gtttcatcgt ggatggacag tacatgggag 180  
 tggctttccg gggactcaag ggtaaaaagc tgtatcctgt agtgagtgcc gtctggggcc 240  
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 tgcctctgct gggggaacct atgccaacgg acttctccct tcccaacact ggctgaagca 600  
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 ggcgccttct gctctcaggt ggagtgggct gccccccact ctctgcagag agaggctaca 720  
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 aatatattta cmtatatata tatttgtaag aagcatt 1897

<210> 41  
 <211> 134  
 <212> PRT  
 <213> Mus musculus

<220>  
 <221> UNSURE  
 <222> (45)  
 <223> Xaa is unsure

<400> 41  
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 Gln Pro Ser Lys Thr Tyr Pro Ala Phe Leu Glu Pro Asp Glu Thr Phe  
 20 25 30

Ile Val Pro Asp Ser Phe Phe Val Ala Leu Asp Met Xaa Asp Gly Thr  
 35 40 45  
 Leu Ser Phe Ile Val Asp Gly Gln Tyr Met Gly Val Ala Phe Arg Gly  
 50 55 60  
 Leu Lys Gly Lys Lys Leu Tyr Pro Val Val Ser Ala Val Trp Gly His  
 65 70 75 80  
 Cys Glu Ile Arg Met Arg Tyr Leu Asn Gly Leu Asp Pro Glu Pro Leu  
 85 90 95  
 Pro Leu Met Asp Leu Cys Arg Arg Ser Val Arg Leu Ala Leu Gly Lys  
 100 105 110  
 Glu Arg Leu Gly Ala Ile Pro Ala Leu Pro Leu Pro Ala Ser Leu Lys  
 115 120 125  
 Ala Tyr Leu Leu Tyr Gln  
 130

<210> 42  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

<400> 42  
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 cgcctggccc tggggaggga gcgcctgggg gagaaccaca cctgccgctg ccggcttccc 180  
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 tggtgccaac tcaactgagcc gcctg 265

<210> 43  
 <211> 2438  
 <212> DNA  
 <213> Mus musculus

<400> 43  
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 cgaggagtggc cgggcctctc ttccgcgctt gaggcagcgc cgggtgatgg cgggtgat 180  
 ggcggcaggc gctcggacag ctccgcttga gctgagctcg gagagatccg tccagaaagt 240  
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tgtaaagaat ttgtttaaaa tggctgaaaa caatagtaaa aatgtagatg tacggcctaa 360  
 aacaagtcgg agtcgaagtg ctgacaggaa ggatgggttat gtgtggagtg gaaagaagtt 420  
 gtcttgggtcc aaaaagagtg agagttgttc tgaatctgaa gccataggta ctgttgagaa 480  
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 ctgagattta gccttttaggt ggcattttat taaacgacac actgttccta tgagtcccaa 780  
 ctgagatgaa tgggtgagtg cagacctgtc tgagaggaaa ctgagagatg ctgagctgaa 840  
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 gtgcacaagc tccagaaaaa ggaataagcc caggtgggaa atggaagagg agatcctgca 1080  
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 agctctgtg gaaggaaagc cagagggcac ctttttactt cgagattcag cgcaggaaga 1260  
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 gcagcagtga tgcggagagg ttagaatgtc gacctgcata catattttca tttaatattt 1680  
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 aagcaggtgt ttggttttgt tttaccata taaatttaca tatggtccag gcatatttac 1860  
 aatttcaagg cattgcatat acatttgaat attctgtatt ttttaaataa tcttttgttc 1920  
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 aggaccgtca gttagtccaa ataaacatcc cctcagcgtg gaggcgaatg gaacctgtgc 2280  
 tcctttctta cggggaagctt tgcaaagcaa aatagcaggg ttacaagctt ggagttgtta 2340  
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 ttgggaactc tagttcccag gggaaaatac ctcgtgcc 2438

<210> 44  
 <211> 542  
 <212> PRT  
 <213> Mus musculus

<220>  
 <221> UNSURE  
 <222> (94)  
 <223> Xaa is unsure

<400> 44

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			20					25					30		
Pro	Gly	Gly	Ser	Arg	Thr	Arg	Ser	Gly	Ser	Gly	Arg	Ala	Ser	Leu	Pro
		35					40					45			
Arg	Leu	Ser	Glu	Arg	Arg	Val	Met	Ala	Val	Val	Met	Ala	Ala	Gly	Ala
	50					55					60				
Arg	Thr	Ala	Pro	Leu	Glu	Leu	Ser	Ser	Glu	Arg	Ser	Val	Gln	Lys	Val
	65				70					75					80
Pro	Arg	Arg	Asn	Phe	Leu	Leu	Glu	Lys	Leu	Lys	Asn	Thr	Xaa	Phe	Ile
			85						90					95	
Thr	Leu	Glu	Ile	Val	Lys	Asn	Leu	Phe	Lys	Met	Ala	Glu	Asn	Asn	Ser
		100						105					110		
Lys	Asn	Val	Asp	Val	Arg	Pro	Lys	Thr	Ser	Arg	Ser	Arg	Ser	Ala	Asp
		115					120					125			
Arg	Lys	Asp	Gly	Tyr	Val	Trp	Ser	Gly	Lys	Lys	Leu	Ser	Trp	Ser	Lys
	130					135					140				

Lys Ser Glu Ser Cys Ser Glu Ser Glu Ala Ile Gly Thr Val Glu Asn  
 145 150 155 160  
 Val Glu Ile Pro Leu Arg Ser Gln Glu Arg Gln Leu Ser Cys Ser Ser  
 165 170 175  
 Ile Glu Leu Asp Leu Asp His Ser Cys Gly His Arg Phe Leu Gly Arg  
 180 185 190  
 Ser Leu Lys Gln Lys Leu Gln Asp Ala Val Gly Gln Cys Phe Pro Ile  
 195 200 205  
 Lys Asn Cys Ser Gly Arg His Ser Pro Gly Leu Pro Ser Lys Arg Lys  
 210 215 220  
 Ile His Ile Ser Glu Leu Met Leu Asp Lys Cys Pro Phe Pro Pro Arg  
 225 230 235 240  
 Ser Asp Leu Ala Phe Arg Trp His Phe Ile Lys Arg His Thr Val Pro  
 245 250 255  
 Met Ser Pro Asn Ser Asp Glu Trp Val Ser Ala Asp Leu Ser Glu Arg  
 260 265 270  
 Lys Leu Arg Asp Ala Gln Leu Lys Arg Arg Asn Thr Glu Asp Asp Ile  
 275 280 285  
 Pro Cys Phe Ser His Thr Asn Gly Gln Pro Cys Val Ile Thr Ala Asn  
 290 295 300  
 Ser Ala Ser Cys Thr Gly Gly His Ile Thr Gly Ser Met Met Asn Leu  
 305 310 315 320  
 Val Thr Asn Asn Ser Ile Glu Asp Ser Asp Met Asp Ser Glu Asp Glu  
 325 330 335  
 Ile Ile Thr Leu Cys Thr Ser Ser Arg Lys Arg Asn Lys Pro Arg Trp  
 340 345 350  
 Glu Met Glu Glu Glu Ile Leu Gln Leu Glu Ala Pro Pro Lys Phe His  
 355 360 365  
 Thr Gln Ile Asp Tyr Val His Cys Leu Val Pro Asp Leu Leu Gln Ile  
 370 375 380  
 Ser Asn Asn Pro Cys Tyr Trp Gly Val Met Asp Lys Tyr Ala Ala Glu  
 385 390 395 400  
 Ala Leu Leu Glu Gly Lys Pro Glu Gly Thr Phe Leu Leu Arg Asp Ser  
 405 410 415  
 Ala Gln Glu Asp Tyr Leu Phe Ser Val Ser Phe Arg Arg Tyr Ser Arg  
 420 425 430  
 Ser Leu His Ala Arg Ile Glu Gln Trp Asn His Asn Phe Ser Phe Asp  
 435 440 445

Ala His Asp Pro Cys Val Phe His Ser Pro Asp Ile Thr Gly Leu Leu  
 450 455 460  
 Glu His Tyr Lys Asp Pro Ser Ala Cys Met Phe Phe Glu Pro Leu Leu  
 465 470 475 480  
 Ser Thr Pro Leu Ile Arg Thr Phe Pro Phe Ser Leu Gln His Ile Cys  
 485 490 495  
 Arg Thr Val Ile Cys Asn Cys Thr Thr Tyr Asp Gly Ile Asp Ala Leu  
 500 505 510  
 Pro Ile Pro Ser Pro Met Lys Leu Tyr Leu Lys Glu Tyr His Tyr Lys  
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 530 535 540

<210> 45  
 <211> 5000  
 <212> DNA  
 <213> Mus musculus

<400> 45  
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Glu Ser Trp Gly Trp Asp Ile Gly Arg Gly Lys Leu Tyr His Gln Ser  
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 Lys Gly Leu Glu Ala Pro Gln Tyr Pro Ala Gly Pro Gln Gly Glu Gln  
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 Gly Leu Lys Gly Arg Thr Leu Tyr Pro Ser Val Ser Ala Val Trp Gly  
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<211> 263  
<212> PRT

<213> Homo sapiens

<400> 48

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28

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Tyr Leu

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Leu

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Tyr Leu

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<400> 56  
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Phe Leu

<210> 57  
 <211> 34  
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<400> 57  
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Thr Tyr Asp Gly Ile Asp Gly Leu Pro Leu Pro Ser Met Leu Gln Asp  
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Phe Leu



<210> 58  
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<400> 58  
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Ile Lys Lys Phe Leu  
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<210> 59  
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<400> 59  
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Met Leu Arg Phe Leu  
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Tyr Leu

<210> 61  
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Gly Lys Tyr Arg Ile Lys Leu Leu Asp Thr Leu Pro Leu Pro Gly Arg  
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Leu Ile Arg Tyr Leu  
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<210> 62  
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20 25 30

Tyr Ile

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Lys Ala Glu His Leu His Ser Asp Ile Phe Ile His Gln Leu Pro Leu  
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Pro Arg Ser Leu Gln Asn Tyr Leu  
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Tyr Leu

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C5 Phe Leu

Conclude